ZAVRIYEV, K., akademik

An improtant course for transport technical schools ("Railroad bridges." G.K.Evgrafov. Reviewed by K.Zavriev) Zhel.dor. transp. no.11:93-94 N'47. (MLRA 8:12)
(Railroad bridges) (Yevgrafov, G.K.)

ZAVRIYEV, K.S.

The Institute of Construction Engineering. Trudy Inst.stroi.dela AN Gruz.SSR no.1:1-17 '48. (MLRA 9:8)
(Georgia--Building--Study and teaching)

ZAVRIYEV, K. S.

Zavriyev, K. S. - "Free oscillations of beams with an infinite number of degrees of freedom", Soobshch. Akad. nauk Gruz. SSR, 1948, Nos. 9-10, p. 567-74, - Bibliog: 5 items.

SO: U-411, 17 July 53, (Letopis 'nykh Statey, No. 20, 1949).

CHURAYAN, A.L.; LORDKIPANIDZE, R.S.; DZHABUA, Sh.A.; ZAVRIYEV, K.S., redaktor; CHKELI, A., tekhredaktor.

[Destruction of buildings in the Chatkal earthquake of November 3, 1946] Razrusheniia postroek pri Chatkal'skom zemletriasenii 3-go noiabria 1946 goda. Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1949. 56 p. (MLRA 7:11)

1. Deystvitel'nyy chlen Akademii nauk Gruzinskoy SSR.(for Zavriyev) (Chatkal Range--Earthquakes) (Earthquakes--Chatkal Range)

ZAVRIYEV, K. S.

35248. Dostizheniya i Perspektivy Razvitiya Teorii i Praktiki Primeneniya Betona i Zhelezobetona v Gruzii. Trudy IV Vsesoyuz. Konf-Tsii Po Betonu Iahelezobeton. Konstruktsiyam. Ch. I. M.-L., 1949, s. 46-53

SO: Letopis'Zhurnal'nykh Statey Vol 34, Maskva, 1949

ZAVRIYEV, K.S., professor, doktor tekhnicheskikh nauk.

Formulas for calculating prestressed reinforced concrete. Trudy TbIIZHT no.22:3-14 '50. (MLRA 9:11)

1. Deystvitel'nyy chlen Akademii nauk Gruzinskoy SSR,
(Prestressed concrete)

ZAVRIEV, Kir'iak Samsonovich, 1891-

Formulae and tables for calculating the arches of stone bridges Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1951. 47 p. (52-19093)

TG330.Z3

ZAVRIYEV, K.S.

Calculating reinforced brick smokestacks for both horizontal and vertical loading. Trudy Inst. stroi. dela AN Gruz. SSR 3:1-10 '51. (MLRA 9:10)

(Chimneys) (Earthquakes and building)

AKHVLEDIANI, N.V.; SHAISHMELASHVILI, V.N.; ZAVRIEV, K.S., deystvitel'nyy chlen.

ZAVRIEV, K.S.

Estimating the supporting power of shells. Soob.AN Gruz.SSR 13 no.10:595-601 '52. (MLRA 6:5)

1. Akademiya Nauk Gruzinskoy SSR, Institut stroitel'nogo dela, Tbilisi (for Akhvlediani, Shashmelashvili). 2. Akademiya Nauk Gruzinskoy SSR (for Zavriev). (Strains and stresses)

ZAVRIYEV, K.S.

Some problems in the theory of plasticity. Trudy Inst. stroi. dela AN Gruz. SSR 4:3-26 '53. (MLRA 9:10)

(Plasticity)

ZAVRIYEV, K.S.

Investigation of the load impact on a system with some degree of freedom. Trudy Inst. stroi. dela AN Gruz. SSR 4:27-35 '53. (MLRA 9:10)

(Impact)

CHURAYAN, A.; DZHABUA, Sh.; ZAVRIYEV, K.S., professor, redaktor; DZHAPARIDZE, N.A., tekhnicheskiy redaktor.

[Some characteristics of axisymmetric buildings] Nekotorye osobennosti tsentricheskikh zdanii. Izd. 2-e. Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1954. 58 p. [Microfilm] (MLRA 7:11)

1. Deystvitel'nyy chlen Akademii nauk Gruzinskoy SSR (for Zavriyev)
(Structures, Theory of)

ZAVRIYEV, K. S.

"Development of the Best System of Reinforced Concrete Braceless Spans (Instead of Metallic Spans) With A Bed Provided for a Railroad With Span Intervals of 33-36 Meters." Moscow Inst of Railroad Transport Engineers, Moscow, 1954. (RZhMekh, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

SHTAYERMAN, Yu.Ya.; ZAVRIYEV, K.S., akademik, redaktor; ZHIVIDZE, D.I., tekhnicheskiy redaktor

[Curved panels covering rectangular openings; planning and construction] Vsparushennye plity; proektirovanie i vozvedenie. Tbilisi, Gostekhizdat Gruzinskoi SSR "Tekhnika da shroma," 1954. 168 p. [Microfilm] (MLRA 7:10)
(Vaults) (Reinforced concrete construction)

NAPETVARIDZE, Sh.G.; ZAVRIYEV, K.S., akademik; BAKRADZE, D.S., redaktor izdatel'stva; KABACHKOV, S.P., tekhnicheskiy redaktor

[Problems in the theory of earthquake-proof structures] Voprosy teorii seismostoikosti sooruzhenii. Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1956. 172 p. (MIRA 10:1)

1. Akademiya nauk Gruzinskoy SSR (for Zavriyev)
(Earthquakes and building)

ZAVRIYEV, Kiriak Samsonovich, akademik; BARSUNOV, K.P., inzhener, redaktor; KHITROV, P.A., tekhnicheskiy redaktor

[The calculation of arched bridges] Raschet arochnykh mostov. Moskva, Gos. transp.zhel-dor. izd-vo, 1956. 114 p. (MLRA 9:10)

1. Akademiya nauk Gruzinskoy SSR. (for Zavriyev)
(Bridges, Arched)

NAZAROV, Armen Georgiyevich; ZAVRIYEV, K.S., akademik, retsenzent; KARAPETYAN, B.K., otvetstvennyy redaktor; KAPLANYAN, M.A., tekhnicheskiy redaktor

[An engineering method of analyzing seismic forces] Metod inzhenernogo analiza seismicheskikh sil. Erevan, Izd-vo Akademii nauk Armianskoi SSR, 1956. 186 p. (MLRA 9:11)

1. Akademiya stroitel'stva i arkhitektury SSSR (for Zavriyev)
(Seismometry)

NAPETVARIDZE, Sh.G.; ZAVRIYEV, K.S., akademik; NAKHADZE, D.S., redaktor izdatel'stva; KABACHKOV, S.P., tekhnicheskiy redaktor

[Problems in the theory of earthquake-proof structures] Voprosy teorii seismostoikosti sooruzhenii. Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1956. 172 p. (MIRA 10:1)

1. Akademiya nauk Gruzinskoy SSR (for Zavriyev)
(Earthquakes and building)

ZAVRIYEV, K.S.

Scientific and technical conference on plain and reinforced concrete in the Georgian S.S.R. Bet.i zhel.-bet. no.3:111-112 Mr '56. (MLRA 9:7)

1.Deystvitel'nyy chlen Akademii nauk Gruzinskoy SSR.
(Georgia--Concrete--Congresses)

ZAVRIYEV, K.S.

Estimating the ordinates of the line of influence of bending moments in designing arches by A. Strassner's method. Izv.AN SSSR.Otd. tekh.nauk no.4:163-167 Ap '56. (MLRA 9:8)
(Bridges, Arched) (Centering of arches)

15(0)

SOV/112-58-3-3797

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1958, Nr 3, p 41 (USSR)

AUTHOR: Zavriyev, K. S., Kobakhidze, M. G., and Netkachev, M. I.

TITLE: Low-Cement Hydro-Engineering Concretes Based on Kara-Dag Trass (Malotsementnyye gidrotekhnicheskiye betony na baze karadagskogo trassa)

PERIODICAL: Sb. tr. Tbilissk. in-ta inzh. zh.-d. transp., 1956, Nr 30, pp 15-29

ABSTRACT: The Tbilisi Institute of Railroad Transportation Engineers has investigated concretes with two-component cementitious material made from ground trass (a volcanic rock of the Kara-Dag mountain, Crimea) and lime, and also with three-component cementitious material, the third component being portland cement. The combined cementitious material has been produced by mixing dry components in a concrete mixer for 20 min. Optimum compositions of concrete with different proportions of cementitious materials within 236-382 kg/m^3 have been found in accordance with GOST 4801-49. On the basis of investigations and hydro-plant construction experience in the

Card 1/2

15(0)

SOV/112-58-3-3797

Low-Cement Hydro-Engineering Concretes Based on Kara-Dag Trass

Transcaucasian area, the authors consider the immediate adoption of no-cement and low-cement concretes and mortars possible for construction work. Using such concretes is expedient in the Crimea and Southern Ukraine where trass is a low-cost local material. As far as hydraulic structures are concerned, the above concretes are valuable because of their chemical resistance, water-tightness, and frost resistance; very often their lower strength is not a disadvantage.

M.G.S.

Card 2/2

ZAVRIYEV, K.S.

ONIASHVILI, Otar Davydovich; ZAVRIYEV, K.S., otvetstvennyy redaktor; YEGOROV, V.I., redaktor izdatel'stva; ASTAF'YEVA, G.A., tekhnicheskiy redaktor.

[Some dynamic problems in the shell theory] Nekotorye dinamicheskie zadachi teorii obolochek. Moskva, Izd-vo Akad.nauk SSSR, 1957. 193 p. (MLRA 10:4)

(Elastic plates and shells)

ZAVRIYEV, Kiriak Samsonovich; ONIASHVILI, O.D., doktor tekhn.nauk, red.; ABRAHISHVILI, T.A., red.izd-va; MEGRELADZE, A.G., tekhn.red.

[Strength of structures; statically indeterminate rod systems] Soprotivlenie sooruzhenii; staticheski neopredelimye sterzhnevye sistemy. Tbilisi, Tekhnika da shromma, 1957. 309 p. (MIRA 11:4)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR, akademik Akademii nauk Gruzinskoy SSR (for Zavriyev)
(Structural frames)

ZAVRIYEV, K.S.

ZAVRIYEV, K.S., kand. tekhn. nauk.

Reinforced concrete bridge trusses with curved chords and triangular braces. Bet. i zhel.-bet. no.12:491-494 D '57. (MIRA 11:1)
(Bridges, Concrete) (Trusses)

ZAVRIYEV, K.S., akademik

Effect of bending moments on thin-walled beams in connection with the theory of the center of bend. Soob. AN Gruz. SSR 21 no.4: 449-456 O '58. (MIRA 12:4)

1. AN GruzSSR, Institut stroitel'nogo dela, Tbilisi. AN GruzSSR. (Girders)

ZAVRIYEV, Kiriak Semenovich; KARTSIVADZE, Georgiy Nikolayevich; LORIKIPANIDZE, R.S., dotsent, red.; ABRAMISHVILI, T.A., red. izd-va; ZHIVIDZE, D.I., tekhn.red.

[Strength and dynamics of structures] Ustoichivost' i dinamika sooruzhenii. Tbilisi, Gos.izd-vo uchebno-pedagog.lit-ry "TSodna," 1959. 318 p. (MIRA 13:3)
(Structures, Theory of)

ZAVRIYEV, K.S. (Tbilisi)

Bend analysis of thin-walled rods. Stroi. mekh. i rasch. soor. 1 no.4:1-3 '59. (MIRA 12:10)
(Elastic rods and wires)

ZAVRIYEV, K.

"Action of seismic loads on buildings and structures" by I.L. Korchinskii. Reviewed by K. Zavriev. Stroi. mekh. i rasch. soor. 1 no.4:51 '59. (MIRA 12:10)
(Earthquakes and building)
(Korchinskii, I.L.)

ZAVRIYEV, K. S.

"Guaranteeing Antiseismicity of Buildings on the Basis of Investigations Carried Out in the USSR."

report submitted for the Second World Conference on Earthquake Engineering, Tokyo and Kyoto, Japan, 11-18 July 1960.

SEKHNIASHVILI, E.A., dotsent, kand.tekhn.nauk; ZAVRIYEV, K.S., prof., doktor tekhn.nauk, akademik; KHUTSISHVILI, V., tekhn.red.

[Designing elastic systems for free vibrations] Inzhenernyi metod rascheta uprugikh sistem na svobodnye kolebaniia. Tbilisi, Gos.izd-vo "Sabchota Sakartvelo," 1960. 345 p. (MIRA 14:1)

1. AN Gruzinskoy SSR; deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Zavriyev).
(Elastic rods and wires--Vibration)

SILIN, K.S., insh.; ZAVRIYEV, K.S., kand.tekhn.nauk; SHPIRO, G.S., kand.tekhn.nauk

Designing columnal shell foundations for working loads. Transp. stroi. 10 no.7:42-46 Jl '60. (MIRA 13:7)
(Bridges--Foundations and piers)

ZAVRIYEV, K.S., kand.tekhn.nauk

Taking into account the setting of bridge supports into the ground in designing footings and foundations. Transp. stroi. 10 no. 12:40-42 D '60. (MIRA 13:12)

(Bridges--Foundations and piers)

ZAVRIYEV, K.S.

Objectives in the field of earthquake-proof construction of industrial buildings and structures. Prom. stroi. 38 no.9:2-3 '60. (MIRA 13:9)

(Earthquakes and building) (Industrial buildings)

ZAVRIYEV, K.S.

Second International Conference on Problems in Earthquake-Proof Building. Prom. stroi. 38 no.11:55-56 '60. (MIRA 13:10)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR.

(Tokyo--Earthquakes and building--Congresses)

KARTSIVADZE, G.N.; MEDVEDEV, S.V.; NAPETVARIDZE, Sh.G.; ZAVRIYEV, K.S., red.; DUZINKEVICH, S.Yu., red.; BUDARINA, E.M., red. izd-va; GOL'BERG, T.M., tekhn. red.

[Earthquakeproof construction abroad]Seismostoikoe stroitel'stvo za rubezhom; po materialam Vtoroi vsemirnoi konferentsii po seismostoikomu stroitel'stvu v 1960 g. v g. Tokio. Pod obshchei red. K.S.Zavrieva i S.IU.Duzinkevicha. Moskva, Gosstroizdat, 1962. 223 p. (MIRA 16:1)
(Earthquakes and building)

ZAVRIYEV, K.S., akademik

Longitudinal bending of straight bars beyond the limit of elasticity. Soob. AN Gruz. SSR 28 no.6:683-688 Je '62. (MIRA 15:7)

1. Akademiya nauk Gruzinskoy SSR, Institut stroitel'nogo dela, Tbilisi. Akademiya nauk Gruzinskoy SSR.
(Beams and girders)

ZAVRIYEV, K.S., kand.tekhn.nauk; KRYUKOV, Ye.P., kand.tekhn.nauk; SHPIRO, G.S., kand.tekhn.nauk; KARAMYSHEV, I.A., red.; BOBROVA, Ye.N., tekhn.red.

[Study of the strength of the foundation of contact networks supports] Issledovanie nesushchei sposobnosti fundamentov opor kontaktnoi seti. Moskva, Vses.izdatel'sko-poligr. ob"edinenie m-va putei soob., 1960. 215p. (Babushkin. Vsesoiuznyi nauchno-issledovatel'skii institut transportnogo stroitel'stva. Trudy, no.39) (MIRA 14:7)

(Electric lines--Poles)
(Electric railroads--Wires and wiring)

ZAVRIYEV, K.S.

Method of systematic approximations for the design of compressed rods. Trudy Inst. stroi. mekh. i seism. AN Gruz. 10:3-6 '64. (MIRA 18:11)

ZAVRIYEV, K.S., red.

[Seismic stability of structures] Seismostoikost' sooruzhenii. Tbilisi, Metsniereba, 1965. 170 p.
(MIRA 18:10)

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Institut stroitel'noy mekhaniki i seysmostoykosti.

NAZAROV, Armen Georgiyevich; AMBARTSUMYAN, S.A., akademik, otv.red.; ZAVRIYEV, K.S., akademik, retsenzent; NAPETVARIDZE, Sh.G., prof., retsenzent

[Mechanical similitude of solid deformable bodies; the theory of simulation] O mekhanicheskom podobii tverdykh deformiruemykh tel; k teorii modelirovaniia. Erevan, Izd-vo AN Arm. SSR, 1965. 217 p. (MIRA 18:10)

1. AN Gruzinskoy SSR (for Zavriyev). 2. AN Armyanskoy SSR (for Ambartsumyan).

POPOV, O.A., inzh.; GLOTOV, N.M., kand.tekhn.nauk; ZAVRIYEV, K.S., kand.tekhn. nauk; SHPIRO, G.S., kand.tekhn.nauk

Concerning the revision of the chapter "Pile foundations from consolidating piles" of the Construction Norms and Regulations. Transp.stroi. 15 no.10:46-47 O '65. (MIRA 18:12)

1. Gosudarstvennyy ordena Trudovogo Krasnogo Znameni proyektno-izyskatel'skiy institut po proyektirovaniyu bol'shikh mostov (for Popov). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut transportnogo stroitel'stva Ministerstva transportnogo stroitel'stva (for Zavriyev). 3. Vsesoyuznyy zaochnyy politekhnicheskiy institut (for Shpiro).

ZAVRIYEV, K.S., kand. tekhn. nauk

Calculating columnar foundations of bridge supports with operational loads. Trudy TSNIIS no.56:115-120 '65. (MIRA 18:5)

ZAVRIYEV, K.S., akademik, doktor tekhn. nauk

Calculating the crack resistance of prestressed beams. Bet. i zhel.-bet. no.11:489-490 N'61. (MIRA 16:8)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR; AN Gruzinskoy SSR.
(Beams and girders)

TSILOSANI, Zurab Nikolayevich; ZAVRIYEV, K.S., red.; GIORGADZE, O.N., red. izd-va

[Shrinkage and creep of concrete; investigation of the physicochemical factors determining the strength and deformability of cement stone] Usadka i polzuchest' betona; issledovanie fiziko-khimicheskikh faktorov, opredeliaiushchikh prochnost' i deformativnost' tsementnogo kamnia. Tbilisi, Izd-vo AN Gruz.SSR, 1963. 173 p. (MIRA 17:1)

ZAVRIYEV, K.S., kand.tekhn.nauk

"Examples of the design of precast reinforced-concrete bridges" by V.A.Rossiiskii, B.P.Nazarenko, N.A.Slovinskii. Transp. stroi. 13 no.6:74-75 Je '63. (MIRA 16:9)
(Bridges, Concrete) (Rossiiskii, V.A.) (Nazarenko, B.P.) (Slovinskii, N.A.)

APOLLOV, B.A., red.; GYUL', K.K., red.; ZAVRIYEV, V.G., red.; BAGDATLISHVILI, D., red. izd-va; IBRAGIMOV, M., tekhn. red.

[Materials from the All-Union Conference on the Problem of the Caspian Sea] Materialy Vsesoiuznogo soveshchaniia po probleme Kaspiiskogo moria. Baku, Izd-vo AN Azerb.SSR, 1963. 381 p. (MIRA 16:8)

1. Vsesoyuznoye soveshchaniye po probleme Kaspiyskogo morya, Moscow, 1960. 2. Moskovskiy gosudarstvennyy universitet (for Apollov).

(Caspian Sea)

ZAVRIYEV, V.G.

Conference on the study of the Caspian Sea. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.6:91-93 '60. (MIRA 14:3)
(Captain Sea)

ZAVRIYEV, V.G.; KOSAREV, A.N.

Changes in the hydrological characteristics of the southern Caspian as shown in data from stations running many series of observations. Dokl. An Azerb. SSR 16 no.12:1207-1210 '60. (MIRA 14:2)

1. Institut geografii AN AzerSSR. Predstavleno akademikom AN AzerSSR A.D.Sultanovym.
(Caspian Sea--Hydrology)

ZAVRIYEV, V. G.

MEKHTIYEV, Sh.F., ZAVRIYEV, V.G.; UDALYY, A.M., redaktor.

[Azerbaijan, petroleum treasure house] Azerbaidzhan-sokrovishchnitsa nefti. Baku, Azneftoizdat, 1954. 130 p. (MLRA 8:3)
(Azerbaijan--Economic geography)(Petroleum)

ZAVRIYEV, V. G.

"Physicogeographical Dividing of the Azerbaydzhanskaya SSR into Districts" Izv. AN Azerb. SSR, No 5, 1953, pp 51-55

The author points out that the present system of dividing Azerbaydzhan into districts does not conform to physicogeographical requirements. He then describes what he thinks is the correct method, and gives reasons for his choices. (RZhGeol, No 4, 1954)

SO: W-31187, 8 Mar 55

MEKHTIYEV, Sh.F.; ZAVRIYEV, V.G.; UDALYY, A.M., red.

[Azerbaijan, treasure house ofoil] Azerbaidzhan- sokrovishchnitsa nefti. Baku, Aznefteizdat, 1954. 130 p. (MIRA 15:7)
(Azerbaijan--Petroleum geology)

ZAVRIYEV, V. G.

4349. ZAVRIYEV, V. G. --Pamyatka dlya izuchayushchikh prirodnyye bogatstva Azerbaydzhana. Baku Azernashr, 1954 72 s. s. 111 i kart. 20 sm. B-ka kholkhoznika) 3.000 ekz. 1R. 5k. --Na azerbaydzh. yaz
(54-57237) 3338.91:5 (47.924)
Kontrol'nyye paboty pokhimii i mineralogii.--Nauzbek. yaz. sm. 4342

SO: Knizhnaya Letopis', Vol. 1, 1955

ZAVRIYEV, V.G.

On the problem of subdividing the Azerbaijan S.S.R. into physical geographic regions. Izv.AN Azerb. SSR no.3:11-16 Mr'55. (MLRA 8:11)

(Azerbaijan--Physical geography)

ZAVRIYEV, V. G. Doc Geog Sci -- (diss) "The physical geography of Azerbaydzhan and its ~~districts~~ regions," Mos, 1957. 17 pp including cover; 1 sheet of maps. (Inst of Geography, Acad Sci USSR), 110 copies. List of author's works, p 17. (KL, 5-58, 100)

Zavriyev, V.G.

ZAVRIYEV, V.G.

Natural zoning and development of landscapes in Azerbaijan. Izv. AN SSSR. Ser. geog. no.4:29-37 Jl-Ag '57. (MIRA 11:1)

1. Institut geografii AN AzerSSR.
(Azerbaijan--Physical geography)

GYUL', K.K., doktor geogr. nauk, prof., red.; ALIYEV, G.B., kand. geogr. nauk, red.; ZAVRIYEV, V.G., doktor geogr.nauk, red.; RUSTAMOV, S.G., doktor geogr.nauk, red.; SHIKHLINSKIY, E.M., kand.geogr.nauk, red.; BAGDATLISHVILI, D., red. izd-va; ISMAYLOV, T., tekhn. red.

[Proceedings of the Geographical Society of the Azerbaijan S.S.R.] Trudy Geograficheskogo obshchestva Azerbaidzhanskoi SSR. Baku, Izd-vo Akad. nauk Azerbaidzhanskoi SSR, 1960. 365 p. (MIRA 14:6)

1. Geograficheskoye obshchestvo Azerbaidzhanskoy SSR.
(Azerbaijan--Physical geography)

GYUL', K.K.; ZAVRIYEV, V.G.; KOSAREV, A.N.

Hydrological conditions at the mouth of the Kura River during August and September 1958. Vest. Mosk. un. Ser.5: Geog. 15 no. 5:61-66 S-O '60. (MIRA 13:11)

1. Kafedra okeanologii Moskovskogo universiteta.
(Kura River--Hydrology)

ZAVRIYEV, V.G.; KOSAREV, A.N.

Discharge of Iranian rivers in the Caspian Sea Basin. Izv.AN Azerb.SSR. Ser.geol.-geog.nauk i nefti. no.4:117-120 '61. (MIRA 15:1)

(Iran--Rivers) (Caspian Sea region--Rivers)

ZAVRIYEV, V.G.

On the history of landform development in Azerbaijan during the Quaternary. Trudy Inst. geog. AN Azerb. SSR 10:5-24 '61. (MIRA 14:12)

(Azerbaijan--Landforms)

DOBROVOL'SKIY, A.D.; ZAVRIYEV, V.G.; KOSAREV, A.N.

Color and transparency as indicators of the presence of river waters in the sea. Okeanologiia 1 no.4:626-629 '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova, kafedra okeanologii.

(Estuaries)

RATOBYL'SKIY, Nikolay Stanislavovich; LYARSKIY, Petr Alekseyevich; ZAVRIYEV, V.G., prof., nauchn. red.; DEMENT'YEV, V.A., prof., nauchn. red.; GESB, N., red.; MORGUNOVA, G., tekhn. red.

[Geography] Geografiia. Minsk, Izd-vo "Vysshaia shkola," 1963. 379 p. (MIRA 17:3)

KORULIN, Dmitriy Mikhaylovich; FURSENKO, A.V., retsenzent; ZAVRIYEV, V.G., prof., retsenzent; LITVINSKAYA, T., red.

[Geology and minerals of the U.S.S.R.] Geologiia i poleznye iskopaemye SSSR. Minsk, Vysshaia shkola, 1965. 310 p. (MIRA 18:6)

1. Chlen-korrespondent AN Belorusskoy SSR (for Fursenko).

ARAKELIYA, T3.I.; ZAVRIYEVA, N.M.

Implantation of bone marrow in mice. Trudy inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:169-172 '61. (MIRA 17:8)

ZAVRIYEVA, S.

Shostakovskii's bálsam. Znan. sila 31 no.8:19-20 Ag '56. (MLRA 9:10)

(Balsams)

SHENGELIYA, I.D.; ZAVRIYEV, K.S., deystvitel'nyy chlen.

Thermal technical calculation of winter placing of concrete for industrial jobs by the "thermos" method. Soob.AN Gruz.SSR 14 no.1:41-45 '53. (MLRA 6:9)

1. Akademiya nauk Gruzinskoy SSR (for Zavriyev). 2. Tbilisskiy institut inzhenerov zheleznodorozhnogo transporta im. V.I.Lenina (for Shengeliya). (Concrete--Cold weather conditions)

TIMOFEYEV, B.V.; ZAVRIYEV, K.S., deystvitel'nyy chlen.

Effect of the form of the foundation on the resistance of its base. Soob. AN Gruz.SSR 14 no.1 '53. (MLRA 6:9)

1. Akademiya nauk Gruzinskoy SSR (for Zavriyev). 2. Tbilisskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta elektrofikatsii sel'skogo khozyaystva Akademii sel'skokhozyaystvennykh nauk im. V.I.Lenina (for Timofeyev). (Foundations)

YUGOSLAVIA/Human and Animal Physiology -(normal and Pathological) T-4
Blood. The Forming Elements of Blood.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50665

Author : Mikic, F., Zavrnik, F.I.
Inst : -
Title : The Correlation Between Blood Forming Elements in Pigs.

Orig Pub : Veterinariya (Jugosl.), 1955, 4, No 1, 36-57.

Abstract : The Variability Coefficient (VC) of erythrocytes is 13 percent, of leukocytes (L) 20 percent, and of thrombocytes (T) 21 percent. Before feeding, the number of all cell forms decreases slightly. After feeding, however, the number of T rises, but not the number of L. It was established that there exists only a slight connection between the blood cells of the different centers of hemogenesis. The correlation of E/T is more pronounced than the correlation of L/T. The amounts of individual elements depend upon the activity of their genetic centers.

Card 1/2

YUGOSLAVIA/Human and Animal Physiology - (Normal and Pathological) T-4
Blood. The Forming Elements of Blood.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50665

The latter are correlated to each other in some manner. In this study the existence of nutritional leukocytosis is denied, but it is maintained that nutritional leukopenia exists. Also, there is no doubting the fact that nutritional thrombcytosis exists.

Card 2/2

Zavrodskiy, S. S.

USSR/Hydromechanics. Viscous fluids, boundary layers and heat transfer.

Abs Jour: Ref Zhur - Mekhanika, No 7, 1957, 8005

Author : S. S. Zavrodskiy
Inst : Power Institute of the Academy of Sciences Belorussian SSR
Title : A Comparison of "Boiling Layer" and "Dense Layer" Heat Exchangers for Utilizing the Heat of Exhaust Gas

Orig Pub: Tr. In-ta Energetiki AN BSSR, 1955, No 2, pp 162-177

Abstract: The article discusses the peculiar features and a simplified model of a mechanism intended to form a boiling (or semi-suspended) layer by means of a granular layer in a state obtained via the upward blast of a gas stream (of rather high velocity) through the reposing but uncompressed dense layer of granular material. In this process the particles in the layer are sent into motion which appears like the churning of a boiling liquid. The possible stability limits of

Card 1/4

USSR/Hydromechanics. Viscous fluids, boundary layers and heat transfer.

Abs Jour: Ref Zhur - Mekhanika, No 7, 1957, 8005

Abstract: the boiling layer are elucidated. Using his own method (RZhMekh, 1955, 6186), the author presents an approximate comparison of "boiling layer" and "dense layer" heat exchangers in terms of thermal stress per unit volume. In the conduct of the comparison, the author makes a number of assumptions, in particular that the particles of the monofractional boiling and dense layers are spherical. The final calculation data is presented in tables and graphs which are used to show that the boiling layer can serve to realize highly efficient heat-exchange machinery for utilizing exhaust gas heat. The author found that the ideal homogeneous boiling layer is far more advantageous in terms of termal stress per unit volume than the dense layer (in and around the state of totally developed "boiling" the particles do not touch -- they "weave"). He notes that, in this case, because of the intensive intermixing of particles

Card 2/4

ZAVRTAK, M.; HEGER, F.

Single-phase and three-phase control transformers produced by the Moravian Electric Appliance Plants in Vsetin. p. 238.

ELEKTROTECHNICKY CASOPIS, Bratislava, Czechoslovakia, Vol. 10, No. 4, 1959.

Monthly list of East European Accessions, (EEAI) LC, Vol. 8, No. 10, Oct. 1959.
Uncl.

ASTAPOVICH, I.S.; ZAVRUKHIN, A.P.

Observations of comet Harrington 1952c in Ashkhabad. Astron.tsir. no.134: 1-2 F '53. (MLRA 6:6)

1. Astrofizicheskaya laboratoriya (Ashkhabad, Park Keshi). (Comets--1952)

S/051/62/013/002/005/014
E032/E514

AUTHORS: Zavt, G.S. and Kristofel', N.N.

TITLE: On the applicability of the Condon approximation to a luminescence centre

PERIODICAL: Optika i spektroskopiya, v.13, no.2, 1962, 229-234

TEXT: The authors report the results of a calculation of the dependence of the electronic matrix element M(R) for the $^1S_0 \rightarrow {}^3P_1$ transition in the luminescence centre of the crystal phosphor KCl-Tl. The calculation is based on the model of the luminescence centre of the associated theory which was given in the previous papers by the second of the present authors (Tr.IFA AN ESSR, No.7, 85, 1958. Mater. VII soveshchenaiya po lyuminestsentsii, Tartu, 1959; Tr. IFA AN ESSR, No.10; 3, 1959; No.11, 180, 1960; Opt. i spektr., 7, 78, 1959; Opt. i spektr., 10, 487, 1961). In an ionic crystal electron densities of the various ions overlap and hence the wave functions for the activator do not take the form of the wave functions of the free activator simply perturbed by the crystal field. They do in fact contain an admixture of wave functions due to the base ions.

Card 1/2

On the applicability of....

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E032/E514

This effect is very dependent on the interionic distance and varies during the ion vibration process so that the electronic matrix elements depends on the nuclear coordinates R. A consideration of the numerical results of these calculations leads to the conclusion that the Condon approximation is very adequate for the $^1S_o \rightarrow {}^3P_1$ transition in KCl-Tl. There are 3 tables.

SUBMITTED: June 1, 1961

Card 2/2

KRISTOFEL, N. N.; ZAVT, G. S.

International Congress on Lattice Dynamics, Copenhagen, Denmark
5-9 Aug '63

Institut de Physique et d'Astronomie de l'Academie des Sciences de la R.S.S. d'Estonie, Tartu Observatoire, Tartu, U.S.S.R.

Title of report-- Einige Fragen der Theorie von Schwingungen in Fremdionenenthaltenden Ionenkristallen.

ACCESSION NR: AT4020791 S/2613/63/000/023/0003/0017

AUTHOR: Zavt, G. S.; Kristofel', N. N.

TITLE: Localized vibrations in ionic crystals with an isotopic defect

SOURCE: AN EstSSR. Institut fiziki i astronomii. Trudy*, no. 23, 1963. Issledovaniya po lyuminestsentsii (Research in luminescence), 3-17

TOPIC TAGS: crystal, ionic crystal, crystal vibration, crystal defect, crystal structure isotopic defect, alkali halide crystal lattice

ABSTRACT: The authors develop a theory for the localized modes of vibration which arise in NaCl type ionic crystals in the case of an isotopic substitution of one of the lattice ions. Use of the Green function in harmonic approximation was proposed by Lifshits (I. M. Lifshits, ZHETF, 17, 1017; 1076, 1947; ZHETF, 18, 243, 1948). Before proceeding to an analysis of the vibrations in defective crystals, the authors reduce somewhat the equations of motion of an ideal lattice. It is shown that, for the development of localized vibrations in lattices with similar ion masses, the impurity must be, on the average, twice as light as the substituted ion. There is a detailed study of the localized mode frequency as a function of the impurity mass for NaF. Computations are made for the localized vibration mode frequencies of U-centers of H^- and D^- types for 10 ionic lattices,

Card 1/2

ACCESSION NR: AT4020791

and it is shown that the results of these calculations are in agreement with available experimental data; with the exception of KI the difference nowhere exceeds 10%. The authors also note that a triplet, and not a single frequency, is observed in the spectra. The authors attribute this splitting to a change in the interaction constants around the defect. "The authors wish to express their gratitude to M. I. Kornfel'd and D. N. Hirlin for their discussion of the problems raised in the article." Orig. art. has: 2 tables, 1 figure and 28 formulas.

ASSOCIATION: INSTITUT FIZIKI I ASTRONOMII AN ESTSSR (Institute of Physics and Astronomy)

SUBMITTED: 04Jan63 DATE ACQ: 07Apr64 ENCL: 00

SUB CODE: PH NO REF SOV: 002 OTHER: 017

Card 2/2

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964010019-0"

Card 1/3

L 18721-63 EWP(q)/EWT(m)/BDS AFFTC/ASD JD

ACCESSION NR: AP3003895 S/0181/63/005/007/1946/1957

AUTHOR: Zavt, G. S.

TITLE: The distortion by defects of zone vibrations in crystals

SOURCE: Fizika tverdogo tela, v. 5, no. 7. 1963, 1946-1957

TOPIC TAGS: distortion, zone vibration, defect, isotopic defect, lattice, phonon, atom, crystal, frequency, scattering

ABSTRACT: The displacement of any arbitrary atom (for a one-dimensional crystal containing a point defect) has been defined as a function of frequency. The distortion of crystal vibration may be described as a process of scattering of phonons at a defect. In a linear chain, the disturbance of vibration near a defect may be very large, and this permits one to obtain a number of systematic relationships characteristic of the general case. At centers where Stokes's losses are large or moderate, ions prove to be in essentially nonequilibrium positions after electron transition nearest a defect. It is stated that before radiation all the atoms are successful in occupying equilibrium positions. This is connected with the comparatively long lifetime of the excited state. Even a considerable diminution in the interaction constant does not strongly affect the nature of the "decay" in this kind of

Card 1/2

L 18721-63

ACCESSION NR: AP3003895

5

local lattice displacement, whereas an increase leads to a considerable slowing in "dissipation" of the vibrational energy. In the final analysis, this is associated with the fact that a sharp maximum is observed in the frequency function only when the interaction constant increases. "I am deeply grateful to N. N. Kristofel' for guidance in the present work and to K. K. Reban, A. P. Purga, and V. V. Khizhnyakov for discussions of the results." Orig. art. has: 4 figures and 38 formulas.

ASSOCIATION: Institut fiziki i astronomii AN ESSR, Tartu (Institute of Physics and Astronomy, Academy of Sciences, Esthonian SSR)

SUBMITTED: 14Mar63 DATE ACQ: 15Aug63 ENCL: 00

SUB CODE: PH NO REF SOV: 009 OTHER: 013

Card 2/2

ZAVT, G.S.; TYURKSON, E.E. [Türkson.E.]

Distortion of zone oscillations by defects in a two-atomic chain. Fiz. tver. tela 6 no.11:3201-3205 N '64. (MIRA 18:1)

1. Institut fiziki i astronomii AN Estonskoy SSR, Tartu.

ZAVT, G.S.

Effect of impurities on the oscillations of lattices of ionic crystals. Izv. AN SSSR, Ser.fiz. 29 no.3:371-372 Mr '65. (MIRA 18:4)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964010019-0"

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964010019-0"

S/0051/64/016/002/0256/0259

ACCESSION NR: AP4020926

AUTHOR: Kristofel', N.N.; Zavt, G.S.

TITLE: Concerning interpretation of vibronic transitions in impurities on the basis of the dynamic theory of nonideal lattices

SOURCE: Optika i spektroskopiya, v.16, no.2, 1964, 256-259

TOPIC TAGS: vibronic transitions, phonon spectrum, lattice vibration, impurity center, lattice defect, nonideal lattice, imperfect crystal, quasiline spectra, edge emission, edge luminescence

ABSTRACT: The phonon spectrum of a crystal with a number of defects may differ substantially from the spectrum of an ideal crystal by the presence of a number of "local" frequencies. Hence in considering the vibronic transitions in impurity centers, for example, one must take into consideration the vibrations of a nonideal crystal. In the present paper there is considered the distortion of the crystal lattice vibrations in the vicinity of defects (impurity centers). It is shown that the displacements of the host atoms close to the defect as a function of frequency may have a number of sharp maxima. The frequencies corresponding to these maxima either de-

1/2

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ACCESSION NR: AP4020926

termine the effective frequencies of the impurity center or are evinced in form of narrow quasilines (in the respective cases of centers with large and small Stokes losses). Some experimental and theoretical data for different types of luminescence centers (mercury-like, F and rare earth centers) are discussed and analyzed from the standpoint of the considerations adduced. It is suggested that the frequencies evinced in the vibrational structure of the edge emission spectra of some non-activated crystals (ZnS, CdS, ZnO) may be associated with the above mentioned maxima. "The authors are grateful to K.K.Rebane for detailed discussion of some of the problems involved and to Ch.B.Lushchik for valuable suggestions." Orig.art.has: 2 formulas and 1 table.

ASSOCIATION: none

SUBMITTED: 14Jun63 DATE ACQ: 02Apr64 ENCL: 00

SUB CODE: PH NR REF SOV: 010 OTHER: 012

2/2

Card

ACCESSION NR: AT4020808 S/2613 /63/000/023/0218/0221

AUTHOR: Zavt, G. S.

TITLE: The effect of dipole interaction on localized vibration modes in ionic crystals

SOURCE: AN EstSSR. Institut fiziki i astronomii. Trudy*, no. 23, 1963. Issledovaniya po lyuminestsentsii (Research in luminescence), 218-221

TOPIC TAGS: ionic crystal, crystal vibration, dipole, dipole interaction, luminescence, isotopic defect, crystal lattice isotopic defect

ABSTRACT: In previous papers (G.S. Zavt, FTT, 5, 1086, 1963; G.S. Zavt, N. N. Kristofel', Trudy* IFA AN ESSR, 23,3, 1963), the following equation was derived for the frequency of localized vibrational modes generated by an isotopic defect in an ionic crystal:

$$1-(1-\tau_\delta)\frac{\omega^2-\langle\omega_0^2\rangle}{\omega^2-\gamma/M_\delta}\omega^2 G_0(\omega)=0. \qquad (1)$$

The form of this equation does not depend on the character of the forces operating in the lattice; only the values of the parameters depend on that character. The purpose of the

Card 1/2

ACCESSION NR: AT4020808

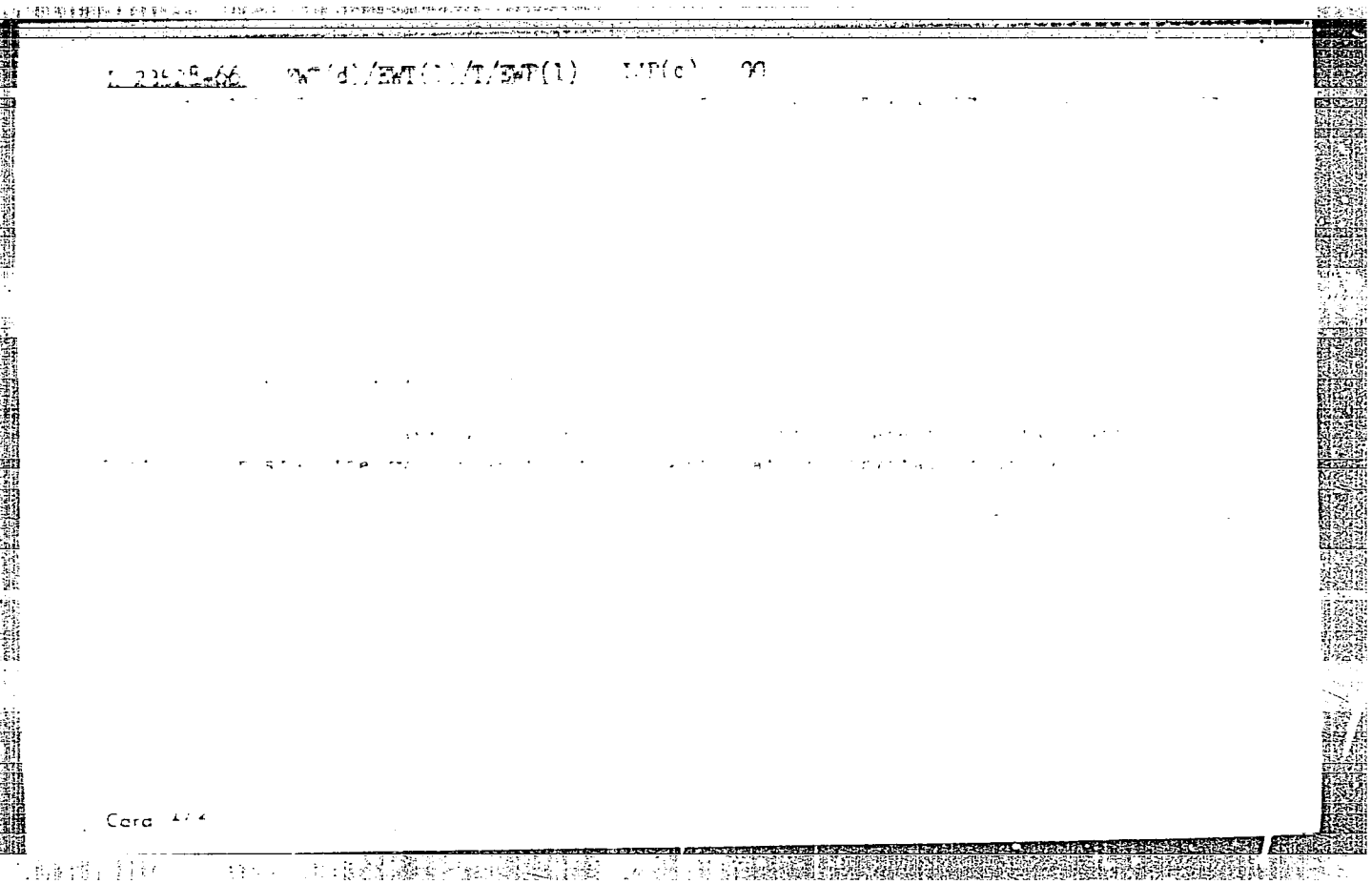
present paper is a more detail consideration of the parameter γ in connection with the dipole interaction, and also the two types of localized vibrations considered in the second of the two previous works. The author concludes that the two types of vibrational modes differ by virtue of the fact that the field of the light wave is different in both of them. The results of this investigation are analyzed in the light of the findings of the previous two papers. "I am grateful to N. N. Kristofel' for his direction of this work." Orig. art. has: 5 formulas.

ASSOCIATION: Institut fiziki i astronomii AN EstSSR (Institute of Physics and Astronomy AN EstSSR)

SUBMITTED: 19Jun63 DATE ACQ: 07Apr64 ENCL: 00

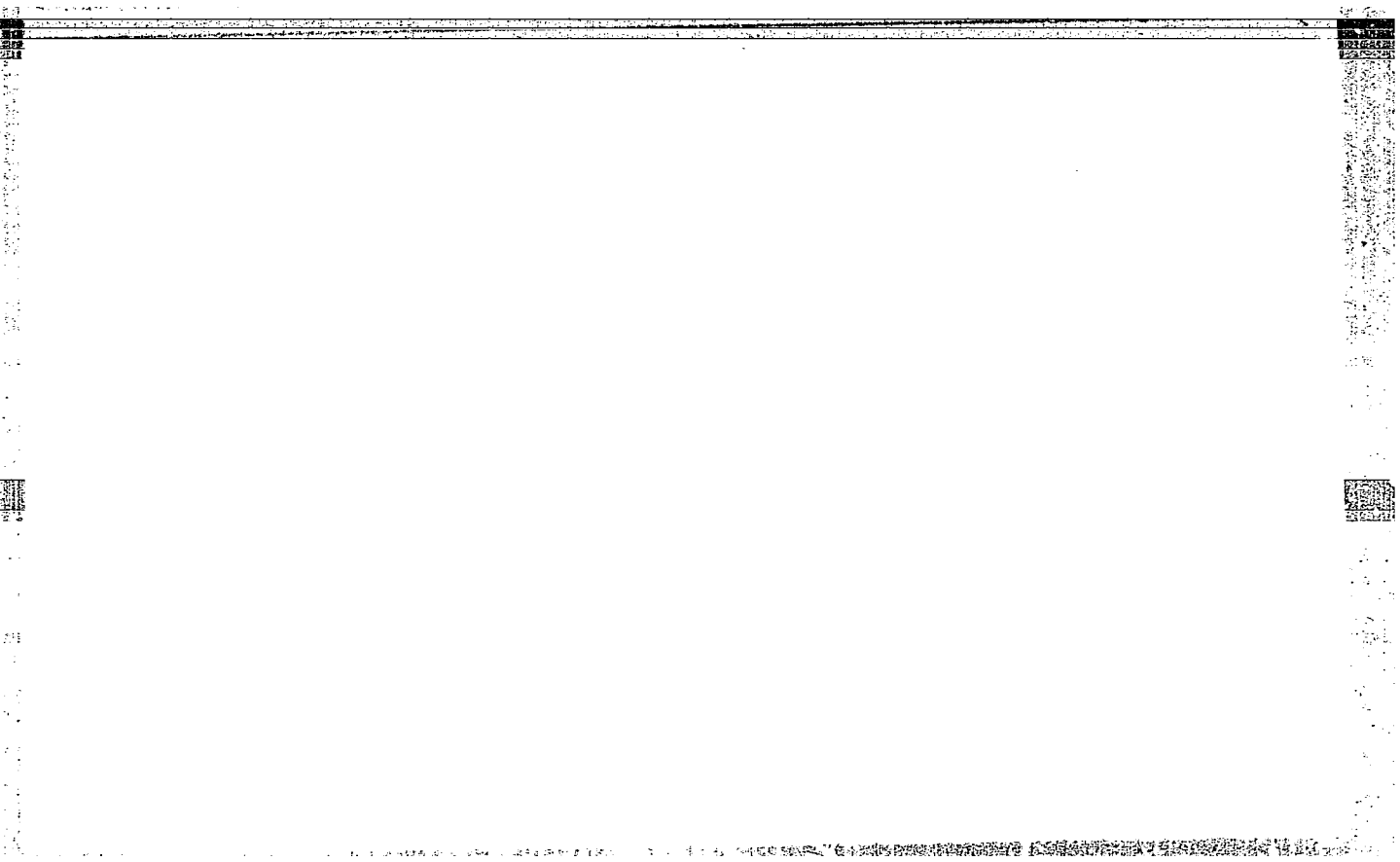
SUB CODE: PH NO REF SOV: 002 OTHER: 005

Card 2/2



L 23528-66

Card 2



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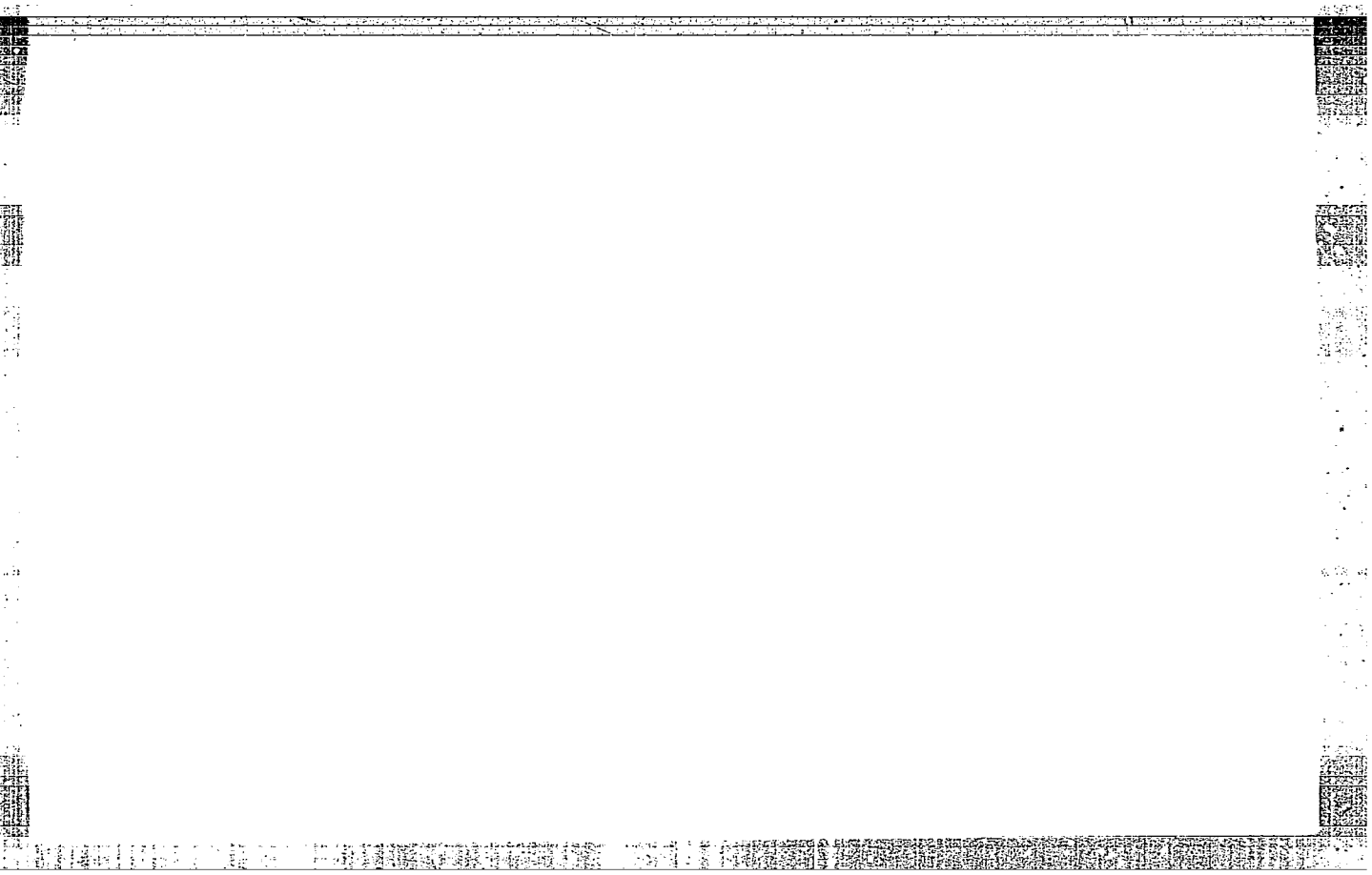

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001964010019-0"

L 04146-67 EWT(m)/T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6026670 SOURCE CODE: UR/0181/66/008/008/2271/2279

AUTHOR: Zavt, G. S.; Kristofel', N. N.

ORG: Institute of Physics and Astronomy, AN ESSR, Tartu (Institut fiziki i astronomii AN ESSR)

TITLE: Distortion of band vibrations of NaCl-type crystals by monovalent impurities

SOURCE: Fizika tverdogo tela, v. 8, no. 8, 1966, 2271-2279

TOPIC TAGS: sodium chloride, single crystal lattice, impurity band, crystal impurity, crystal lattice defect, Green function, CRYSTAL LATTICE VIBRATION

ABSTRACT: An analysis is given of the distortion of band vibrations of NaCl-type crystals by monovalent impurities in the lattice points. It is based on a previous study by Zavt (FTT, 7, 2109, 1965.) in which it was shown that, in addition to exciting local vibrations, the impurities act to modify lattice vibrations in the region of lattice defects. On this basis, the distortion of vibrations by defects is studied by calculating the spectral density of the atom displacements in the region of lattice defects (or the eigenvectors of the dynamic matrix). The method employed to determine these eigenvectors is based on the introduction of modified Green functions. A distinctive feature of the method is that the eigenvectors (or their combinations) consitute the

Card 1/2

ACC NR: AP6026670

particular solution of the equations of motion. Graphs showing the modified Green functions for KCl are presented, together with graphs that show the nature of the calculated band vibrations of various types of symmetry. The authors are indebted to E. E. Saareste for programming the calculations of the Green's functions. Orig. art. has: 3 figures and 26 formulas.

SUB CODE: 20/ SUBM DATE: 16Oct65/ ORIG REF: 013/ OTH REF: 010

Card 2/2

ZAVULUNOV, A.I.

Movement for communist labor in the oils and fats enterprises of Tajikistan. Masl.-zhir.prom. 29 no.9:44 S '63. (MIRA 16:10)

1. AN Tadzhikskoy SSR.

ZAVULUNOV, A.I.

Technological progress and increase of labor productivity in the oils and fats industry of the Tajik S.S.R. Masl.-zhir.prom. 29 no.7:31-34 Jl '63. (MIRA 16:9)

1. AN Tadzhikskoy SSR.

(Tajikistan--Oil industries)